



**State of Missouri
Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102**

For Office Use Only

Facility Name: _____

Permit No.: _____

Facility ID No.: _____

Effective Date _____

Expiration Date: _____

**GENERAL PERMIT/APPLICATION TO OPERATE
A COTTON GINNING
INSTALLATION**

for

Option A - Basic State and **Option B** - Intermediate State
Based on Standardized Limits

In compliance with the provisions of Missouri State Rule 10 CSR 10-6.065, this cotton gin installation is authorized to operate in the State of Missouri, in accordance with emissions limitations, operating requirements and other conditions set forth in this General Permit. The potential emissions of particulate matter smaller than or equal to 10 microns in aerodynamic diameter (PM_{10}) is less than 100 tons in any twelve months period.

State of Missouri
Department of Natural Resources- Air Pollution Control Program
COTTON GIN INSTALLATION
GENERAL AIR QUALITY OPERATING PERMIT APPLICATION
-- BASIC AND INTERMEDIATE STATE --
(Options A and B)

Complete and submit to:
Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176

All applications must be submitted in duplicate and accompanied by a single \$100 filing fee.

Section I - GENERAL INFORMATION (See instructions.)

A. Installation Name			County No.	Plant No.	Year Submitted
Installation Street Address				County Name	
City	State	Zip Code	Installation Phone No. ()		
Installation Mailing Address				Installation Fax No. ()	
City	State	Zip Code			
Contact Person (Last) (First) (MI)					
Contact Person Title		Location: 1/4 1/4 Section Township Range			
B. Parent Company Name			Contact Person	Phone No. ()	
Mailing Address			City	State	Zip Code
3. Installation Type (check one): ? Cotton gin with no/incomplete controls ? Cotton gin with complete cyclone controls ? Cotton gin with cyclones on high pressure air and screens on low pressure air					
D. Category of Installation (check one): <input type="checkbox"/> Intermediate State <input type="checkbox"/> Basic State (You may need to go through Section III before checking a category)					
E. Type of Application (If this is the first time, check "initial."): <input type="checkbox"/> Initial <input type="checkbox"/> Renewal (Current Permit No._____) <input type="checkbox"/> Minor Permit Modification <input type="checkbox"/> <i>De minimis</i> Modification <input type="checkbox"/> Administrative Amendment					

SECTION II - EMISSION INVENTORY. If your installation has not previously submitted the annually required Emission Inventory Questionnaire Forms, you need to obtain these forms and submit them with this application in duplicate. Otherwise, you do not need to submit these forms. Amendments or changes to a previously submitted EIQ must be submitted at the same time as the general operating permit application. The additional EIQ forms must clearly state that they are replacement or additional forms.

SECTION III - POTENTIAL EMISSIONS. Choose and complete only one of the following options -- A or B. See instructions.

Option A:

Basic State Installation. If this subsection applies, your installation is Basic State, and no new limits or requirements need be applied.

Existing Receiving or Production Permit Limits. If lower than that noted in the instructions, note any present **installation-wide** annual receiving or production limit contained in your State or local agency-Issued "Permits to Construct" in the blank(s) provided, and also, check the "applicable" box in Section 8.02 of the General Permit (Sect. VI).

Table 1. Existing Installation-With Limits On Production in a Permit		
Permit No. & Condition No.	Date Issued	Annual Production Rates*
		Bales/yr
		Bales/yr
		Bales/yr
		Bales/yr

*As contained in present "Permits to Construct."

Option B:

Intermediate State Installation -- Potential Emissions Limited to Less Than 100 TPY by Standardized Production Limits with No Additional Control Devices. If your installation is willing to agree to any of the standardized limits noted in the instructions for this subsection and below, then **check the blank below** indicating what production/process limits your installation is willing to accept. Be sure to check the "applicable" box in Section 8.01 of the General Permit (Sect. VI) as well. The limit selected will also replace any limits contained in previously issued state or local agency-issued "Permits to Construct".

Table 2. Intermediate State Installation Installation Type	Standardized Maximum Production Rates
Cotton gin with no controls or incomplete control of high pressure air	____ 27,500 bales/yr
Cotton gin with cyclones on high pressure air and screens on low pressure air	____ 60,000 bales/yr
Cotton gin with cyclones on both high and low pressure air	____ 75,000 bales/yr

Section IV -- Compliance Statement

- A. Compliance status with respect to all Applicable Requirements effective at time of Permit Issuance as noted in Section VI - General Permit under Section 6.0 - Applicable Requirements.; Section 7.0 - Pollution Control Requirements., if applicable; and Section 8.0 - Production or Processing Limits., if applicable.

Will your installation be in compliance with all applicable requirements at the time of permit issuance and continue to comply with these requirements?

☐ Yes ☐ No (If yes, go to Subsection B. of this Section; if no, complete 1. - 4. below for each applicable requirement for which compliance is not achieved.)

1. Identify applicable requirement for which compliance is not achieved:

2. Narrative description of how compliance will be achieved with this applicable requirement:

3. Detailed Schedule of Compliance:

<u>Steps</u>	<u>Date Expected</u>
_____	_____
_____	_____

4. Frequency for submittal of progress reports (6 month minimum)

Starting date for submittal of progress reports: _____/_____/_____

- B. Compliance status with respect to all Applicable Requirements effective after permit issuance:

Will your installation be in compliance with all applicable requirements taking effect during the term of the permit and meet such requirements on a timely basis?

☐ Yes ☐ No (If yes, go to next section; if no, complete 1. and 2. below for each requirement for which compliance is not expected.)

1. Identify applicable requirement that you expect will not be complied with:

2. Detailed schedule leading to compliance:

<u>Steps</u>	<u>Date Expected</u>
_____	_____
_____	_____

Section V - Applicant's Certification Statement

"I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete."

Signature of Responsible Official of Company _____ Date _____

Type or Print Name of Signer _____

Official Title of Signer _____ Telephone No. (____) _____

Section VI - General Permit. Review all applicable General Permit Sections and address all "check boxes."

GENERAL PERMIT TO OPERATE A COTTON GINNING INSTALLATION

Section 1.0 - Coverage Under This Permit

- 1.01 This installation shall qualify as a Basic State or an Intermediate State Installation as set forth in Missouri State Rule 10 CSR 10-6.065(1)(B) and (C).
- 1.02 This installation shall not qualify as a Part 70 Installation as set forth in Missouri State Rule 10 CSR 10-6.065(1)(D).
- 1.03 The permittee shall be subject to an enforcement action for operating without an individual operating permit if it is later determined that the source does not qualify for this General Operating Permit. The permitting authority's decision to issue this permit is based on the representations made by the permittee in the General Operating Permit Application.

Section 2.0 - Permit Flexibility and Modifications

- 2.01 The permittee shall have the permit flexibility to make changes at the cotton ginning installation as long as the proposed change is not considered a permit modification or does not exceed the emission limitations in Section 6.0 of this permit. A permit modification includes any proposed change at the installation which increases the potential emissions of PM₁₀ equal to or greater than 100 tons per year. If the permitting authority considers the proposed change as a modification, the cotton gin shall be required to obtain an individual permit issued under Missouri State Rule 10 CSR 10-6.065(6) Part 70 Operating Permits.
- 2.02 The owner or operator shall provide the permitting authority written notice at least seven (7) days prior to the proposed change. The written notice shall include a brief description of the change(s) within the permitted installation, the date on which the change is to occur, and any change in emissions. The permitting authority will notify the owner or operator whether the proposed change can be completed or will be considered a permit modification and have to undergo the appropriate procedures before the proposed change can be completed.
- 2.03 A permit modification will not be considered a permit change that:
 - 1. Corrects typographical errors such as misspelled words, incorrect effective date, etc.;
 - 2. Allows for a change in ownership or operational control of a cotton gin installation where the permitting authority determines that no other change in the general permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee must be submitted to the permitting authority;
 - 3. Incorporates into this permit the requirements of a unified construction permit issued by the permitting authority as long as potential PM₁₀ emissions are less than 100 tons per year;
 - 4. Does not increase the potential emissions of PM₁₀ equal to or greater than 100 tons per year; or
 - 5. Any other change that the permitting authority determines to be of similar nature to those in this subsection.

Section 3.0 - Permit Renewal and Expiration

- 3.01 This permit is issued for a fixed term of five (5) years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted.
- 3.02 **Duty to reapply.** The owner or operator of the installation shall submit a timely and complete operating permit application for permit renewal in accordance with this section.
1. **Timely application renewal.** For purposes of permit renewal, a timely application is one that is submitted at least six (6) months prior to the date of permit expiration.
 2. **Complete application.**
 - a. An application will be deemed complete if it provides all the information required in the General Permit Application Form.
 - b. The application for renewal shall include the current permit number, the appropriate renewal fee, description of any permit revisions and permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.
 - c. After receipt the permitting authority shall determine whether the application is complete and inform the applicant that it is complete within sixty (60) days after receipt of the application. If the permitting authority determines that the application is not complete, it shall inform the applicant promptly.
 - d. An installation which has submitted a timely and complete application may continue to operate without a permit from the date the application is determined to be complete subject to final action by the permitting authority on the renewal application, provided that the applicant submits any requested additional information by the deadline established by the permitting authority.
 3. **Permit expiration.** Permit expiration terminates the installation's right to operate unless a timely and complete renewal application has been submitted.

Section 4.0 - General Compliance/Enforcement Provisions

- 4.01 **Compliance Requirement.** The permittee must comply with the applicable requirements and all conditions of this permit. Any document (including reports) required to be submitted by this permit shall contain a certification by a responsible official.
- 4.02 **Noncompliance.** Any permit noncompliance constitutes a violation and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application.
- 4.03 **Severability Clause.** The various requirements of this permit shall remain valid in the event of a challenge to any portions of the permit.

Section 5.0 - Permit Reopening Provision.

This General Permit may be reopened, revoked and reissued or terminated during its term, for cause.

Section 6.0 - Applicable Requirements. The following rules shall apply to this installation.

- 6.01 **Installation Level.** The following are deemed by Missouri DNR to be applicable on an installation-wide basis.
1. **General**
 - a. 10 CSR 10-6.110, *Submission of Emission Data, Emission Fees and Process Information*
 - (1) Emission Fees: \$25.70 per ton of pollutant or the amount established by the Missouri Air Conservation Commission

- (2) Record Keeping Requirement: Emission Inventory Questionnaire (EIQ)
 - (3) Monitoring Requirement: None
 - (4) Reporting Requirement: Submit an annual emission inventory on forms, EIQ, furnished by the program by April 1, and shall include emission data, emission fees and process information for the previous calendar year.
- b. 10 CSR 10-6.065, *Operating Permits*
 - (1) Emission Limitation: None
 - (2) Record Keeping Requirement: None
 - (3) Monitoring Requirement: None
 - (4). Reporting Requirement: Submission of Annual Compliance Report and/or certification
- c. 10 CSR 10-6.060, *Construction Permits Required* (See Section III of the General Permit/Application for State and local permit numbers and requirements.)
 - (1) Emission Limitation: Varies with "Permit to Construct"
 - (2) Record Keeping Requirement: Varies with "Permit to Construct"
 - (3) Testing Requirement: Varies with "Permit to Construct"
 - (4) Monitoring Requirement: Varies with "Permit to Construct"
 - (5) Reporting Requirement: Reporting required by "Permit to Construct"
- d. *Open Burning Restrictions*
 10 CSR 10-3.030 (Outstate Missouri Area)
 - (1) Emission Limitation: No person may conduct, cause, permit, or allow open burning of refuse, for salvage, or trade waste after September 17, 1971. (See specific regulation for exceptions to this limitation.)
 - (2) Compliance Demonstration: Previous DNR inspection reports can be used to demonstrate compliance with this regulation.
 - (3) Record Keeping Requirement: DNR inspection reports
 - (4) Monitoring Requirement: Periodic DNR inspections
 - (5) Reporting Requirement: None
- e. 10 CSR 10-6.050, *Start-up, Shutdown, and Malfunction*
 - (1) Emission Limitation: None
 - (2) Monitoring Requirement: None
 - (3) Reporting Requirement: Provide information to demonstrate that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information to be submitted to the director not later than fifteen (15) days after receipt of the notice of excess emissions shall include, at a minimum, the following:
 - (a) Name and location of installation;
 - (b) Name and telephone number of person responsible for the installation;
 - (c) The identity of the equipment causing the excess emissions;
 - (d) The time and duration of the period of excess emissions;
 - (e) The cause of the excess emissions;
 - (f) The type of air contaminant involved;
 - (g) A best estimate of the magnitude of the excess emissions;
 - (h) The measures taken to mitigate the extent and duration of the excess emissions; and
 - (i) The measures taken to remedy the situation which caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- f. 10 CSR 10-6.130, *Controlling Potential Emissions During Episodes of High Air Pollution Potential*
 - (1) Emission Limitation: This rule specifies the conditions that establish an air pollution alert (yellow/red), watch or emergency and the associated procedures and emissions reduction objectives for dealing with each.
 - (2) Record Keeping Requirement: None
 - (3) Monitoring Requirement: None
 - (4) Reporting Requirement: Submission of emergency plan if required by the Director

- g. 10 CSR 10-6.150, *Circumvention*
 - (1) Emission Limitation: No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceal or dilute an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.
 - (2) Record Keeping Requirement: None
 - (3) Monitoring Requirement: None
 - (4) Reporting Requirement: None
- 2. **PM₁₀**
 - a. 10 CSR 10-6.065, *Operating Permits*
 - (1) Emission Limitation: Intermediate only - Cotton gin production limit (Table in Section III Option B of this General Permit/Application).
 - (2) Record Keeping Requirement: As required in Sections 8.03 of this General Permit
 - (3) Monitoring Requirement: None
 - (4) Reporting Requirement: As required in Sections 8.04 and of this General Permit
- 3. **Visible Emissions**
 - a. *Restriction of Emission of Visible Air Contaminants*
10 CSR 10-3.080 (Outstate Missouri Area)
 - (1) Emission Limitation: Opacity of emissions not to exceed or equal 20%
 - (2) Compliance Demonstration: Previous DNR inspection reports can be used to demonstrate compliance with this regulation.
 - (3) Record Keeping Requirement: DNR inspection reports
 - (4) Monitoring Requirement: Visual inspection, EPA Method 9; DNR annual inspection.
 - (5) Reporting Requirement: None
- 4. **Fugitive Emissions**
 - a. 10 CSR 10-6.170, *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*
 - (1) Emission Limitation: No visible particulate matter in the ambient air beyond property line of origin; or, no particulate matter found on surfaces beyond property line of origin.
 - (2) Compliance Demonstration: Previous DNR inspection reports can be used to demonstrate compliance with this regulation.
 - (3) Record Keeping Requirement: DNR inspection reports
 - (4) Monitoring Requirement: Visual inspection performed during periodic DNR inspections
 - (5) Reporting Requirement: None
 - (6) This is a state only rule.
- 5. **Odor**
 - a. *Restriction of Odor Emissions*
10 CSR 10-3.090 (Outstate Missouri Area)
 - (1) Emission Limitation: This section requires that no person may cause, permit or allow the emissions of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one (1) volume of odorous air is diluted with seven (7) volumes of odor-free air for two (2) separate trials not less than fifteen (15) minutes apart within the period of one (1) hour.
 - (2) Compliance Demonstration: Previous DNR inspection reports can be used to demonstrate compliance with this regulation.
 - (3) Record Keeping Requirement: DNR inspection reports
 - (4) Monitoring Requirement: Periodic DNR inspections
 - (5) Reporting Requirement: None
 - (6) This is a state only rule.

6.02 Dryers/Boilers

1. Particulate Matter

a. *Maximum Allowable Emissions of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating*

10 CSR 10-3.060 (Outstate Missouri Area)

(1) Outstate Missouri Area:

Check one:

☐ Not Applicable ☐ Applicable

i. Existing - Commenced construction on or before April 3, 1971

- 1) Heat input rate 10 MMBTU/hr or less, Emission Limit = 0.60 Lbs./MMBTU/hr.
- 2) Heat input rate between 10 MMBTU/hr and 10,000 MMBTU/hr, $E = 0.90 \times Q^{-0.174}$
- 3) Heat input rate 10,000 MMBTU/hr or more, Emission Limit = 0.18 Lbs./MMBTU/hr.

ii. New - Commenced after April 3, 1971

- 1) Heat input rate 10 MMBTU/hr or less, Emission Limit = 0.60 Lbs./MMBTU/hr.
- 2) Heat input rate between 10 MMBTU/hr and 2000 MMBTU/hr, $E = 1.31 \times Q^{-0.338}$
- 3) Heat input rate 2000 MMBTU/hr or more, Emission Limit = 0.10 Lbs./MMBTU/hr.

(2) Record Keeping Requirement: DNR inspection reports

(3) Monitoring Requirement: Periodic DNR inspections and source verification that the emissions are maintained at levels less than or equal to the values shown in the above emission limitation.

(4) Reporting Requirement: None

b. 10 CSR 10-6.065, *Operating Permits*

(1) Installation has boilers capable of being fired with fuel oil with combined total heat inputs greater than 14,200,000 BTU/hr, it is subject to a 830,000 gallon/yr. fuel oil combustion limit.

Check one:

☐ Not Applicable ☐ Applicable

(2) Record Keeping Requirement: Maintain an accurate record of fuel oil usage from this emission unit. Shall record the monthly and running 12-month totals of fuel oil usage from this emission unit. The records shall be maintained on-site for the most recent 60 months of the records required by this requirement and shall immediately make such records available to any Missouri Department of Natural Resources personnel upon request.

(3) Monitoring Requirement: None

(4) Reporting Requirement: Shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after any exceedance of this fuel oil emission combustion limitation.

Section 7.0 - Pollution Control Requirements

7.01 The permittee shall limit emissions by the operation of control equipment required by the following:

Present Particulate Control Device Requirements contained in "Permits to Construct" issued by the permitting authority as noted in Table A in Section IV - Existing Permit Conditions.

Check one:

☐ Not Applicable ☐ Applicable

7.02 All required particulate control devices shall be functional upon the respective emission units at all times that the units are in operation. When control devices are operated, they shall be operated in accordance with the following, if applicable:

1. **Cyclone system.**

- a. A **cyclone system** shall be designed, maintained and operated to ensure optimal efficiency in the removal of PM₁₀.
- b. Records of maintenance performed on the cyclone system shall be kept.

2. **Screens**

- a. A Screen shall be of at least 80 mesh and operate on all existing unit on which it is installed to ensure optimal efficiency in the removal of PM₁₀.
- b. Records of maintenance performed on the screens shall be kept.

Section 8.0 - Production or Processing Limits.

The permittee shall limit emissions by limiting the quantity of cotton bales produced, and/or feed ingredients received or quantity of feed or other products produced to the following:

- 8.01 **Standardized production limits** as checked in the Table 2 in Sect. III Option B.

Check one: ☐ Not Applicable ☐ Applicable

- 8.02 **Present production limits** established by permit conditions contained in "Permits to Construct" issued by the permitting authority as noted in Table 1 in Section III Option A.

Check one: ☐ Not Applicable ☐ Applicable

NOTE: In a situation in which both this Section 8.02 and Section 8.01 apply, the more restrictive limit shall apply to this installation.

- 8.03 **Production record keeping.**

NOTE: This subsection shall apply only if Section 8.01 or 8.02 is applicable.

Check one: ☐ Not Applicable ☐ Applicable

Monthly records of cotton bales produced shall be kept in order to demonstrate compliance with limits affirmed in Sections 8.01 and 8.02. Records shall also be kept to demonstrate totals for each twelve-month (12-month) rolling period.

- 8.04 **Production reporting.**

NOTE: This subsection shall apply only if Section 8.01 or 8.02 is applicable.

Check one: ☐ Not Applicable ☐ Applicable

This installation shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of each month, if the 12-month cumulative total records show that the source exceeded the limitation affirmed in Section 8.01 or 8.02.

Section 9.0 Records Retention

- 9.01 All recordkeeping must be retained at the installation for a minimum period of five (5) years, and shall be made available immediately to representatives of the permit authority upon verbal request.
- 9.02 The permittee shall maintain a copy of this permit at this installation. A copy of this permit shall be placed on-file at each approved source no later than 30 days after the date of the letter of transmittal.

Section 10.0 - Inspection and Entry

- 10.01 The permittee shall allow authorized representatives of the permitting authority to perform the following:
1. Enter upon the permittee's premises where the Basic or Intermediate State source or activity is located or conducted, or where records must be kept under the conditions of this permit;
 2. Have access to and copy at reasonable times any records that must be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operation regulated or required under this permit; and
 4. Sample or monitor any substances or parameters at any location, during operating hours, for the purpose of assuring permit compliance.
- 10.02 No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out her/his official duties. Refusal of entry or access may constitute grounds for permit revocation and enforcement action.